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E83-10085

CR-149607

MAGSAT DATA INVESTIGATION M-004

An investigation of Magsat and complementary data emphasizing Precambrian  
shields and adjacent areas of West Africa and South America.

"Quarterly" report<sup>1/</sup> covering activities of the investigation  
during the period April 1 through September 30, 1982.

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(E83-10085) AN INVESTIGATION OF MAGSAT AND  
COMPLEMENTARY DATA EMPHASIZING PRECAMBRIAN  
SHIELDS AND ADJACENT AREAS OF WEST AFRICA  
AND SOUTH AMERICA Quarterly Report, 1 Apr.  
- 30 Sep. 1982 (Technicolor Graphic

M83-14593

Unclas  
G3/43 00085

<sup>1/</sup>This report is in "letter format." It has not been formally edited for  
compliance with U.S. Geological Survey standards or nomenclature.

<sup>2/</sup>This work has been performed under U.S. Geological Survey Contract  
No. 14-08-0001-20129.

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T. H. M. 444 #5

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## 1. Introduction

This report on Magsat Data Investigation M-004 covers the period April 1 through September 30, 1982.

## 2. Problems

No new problems were encountered during the period.

## 3. Accomplishments

- (1) Preparation of a mineral deposits overlay to the van der Grinten projection geological world map produced at the EROS Data Center.
- (2) Proofreading the Mercator projection version and initiation of coloring the van der Grinten projection geological world maps.
- (3) Some preliminary modeling of Magsat anomalies for South America was undertaken.

## 4. Significant Results

No significant results were obtained during the period.

## 5. Publications

Preliminary correlations of Magsat anomalies with tectonic features of Africa. Geophysical Research Letters, Vol. 9, p. 303-306, 1982.

## 6. Recommendations

I have no new recommendations at this time.

## 7. Funds Expended

1 October 1981 - 30 September 1982.  
(See Attached)

## 8. Data Utility

I have no new comments on this topic at this time.